

### Abstract

A miter saw having a base and an arm that pivots toward the base is disclosed. A blade is supported by the arm, and is designed to cut workpieces resting on the base when the arm and blade pivot downward. The saw includes a detection system configured to detect one or more  
5 dangerous conditions between a person and the blade, such as when a person accidentally touches the spinning blade, and the saw includes a reaction system to stop the downward movement of the blade and arm when the dangerous condition is detected.

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